

1 **CLAIMS**

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- 3 1. A plant container, the container comprising at least
4 one section of flexible material, the material
5 having an inner and an outer surface, said inner
6 surface being formed at least in part by a lattice
7 of recesses, at least some of said recesses
8 converging towards a hole through the material, said
9 outer surface being formed at least in part by a
10 lattice of protuberances at the same relative
11 positional arrangement as the recesses, wherein said
12 section is formed as a parallelogram having two
13 acute angles and two obtuse angles, the one or more
14 sections being arranged to form a cylinder with
15 adjacent ends overlapping and the protuberances on
16 the outer surface of one end nesting within the
17 recesses of the inner surface of the adjacent end at
18 the overlap.
- 19
- 20 2. A plant container as claimed in Claim 1 wherein the
21 acute angles are in the range 30 to 60 degrees.
- 22
- 23 3. A plant container as claimed in Claim 1 wherein the
24 acute angles are at 45 degrees.
- 25
- 26 4. A plant container as claimed in Claim 1 wherein the
27 container includes one or more fastening means
28 provided to hold the section in said overlapping,
29 nested engagement.
- 30
- 31 5. A plant container as claimed in Claim 4 wherein
32 there are at least two fastening means arranged on
33 the overlap.
- 34

- 1 6. A plant container as claimed in Claim 4 wherein the
2 fastening means is by screws located through the
3 holes formed in the recesses.
4
- 5 7. A plant container as claimed in Claim 1 wherein at
6 least some of said recesses are of a substantially
7 truncated conical form.
8
- 9 8. A plant container as claimed in Claim 1 wherein each
10 recess comprises a wall which converges towards the
11 hole, adjacent walls forming a peak between each
12 recess, wherein a plurality of said peaks are
13 located on a row lengthways on the inner surface
14 having a height greater than that of adjacent peaks
15 across the width of the inner surface.
16
- 17 9. A plant container as claimed in Claim 8 wherein the
18 container further comprises a base arranged to rest
19 on said walls of said peaks of greater height.
20
- 21 10. A plant container as claimed in Claim 1 wherein the
22 holes within the recesses are of various diameters
23 over the width of the section.
24
- 25 11. A plant container as claimed in Claim 10 wherein at
26 least one of holes is medium sized, wherein medium
27 sized are apertures which remove 6%-20% of the area
28 at the base of a recess.
29
- 30 12. A plant container as claimed in Claim 10 wherein at
31 least one of holes is large sized, wherein large
32 sized are apertures which remove 20%-40% of the area
33 at the base of a recess.
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- 1 13. A plant container as claimed in Claim 1 wherein at
2 least one of the protuberances includes a hole at
3 their apex.
4
- 5 14. A plant container as claimed in Claim 1 wherein the
6 material is formed from a relatively thin sheet of
7 plastic material and the said recesses in said inner
8 surface produces said protuberances in said outer
9 surface.
10
- 11 15. A plant container as claimed in Claim 14 wherein the
12 plastic is a recycled plastic such as HDPE obtained
13 from domestic waste.
14
- 15 16. A section of material for forming a container, the
16 material having an inner and an outer surface, said
17 inner surface being formed at least in part by a
18 lattice of recesses, at least some of said recesses
19 converging towards a hole through the material, said
20 outer surface being formed at least in part by a
21 lattice of protuberances at the same relative
22 positional arrangement as the recesses, wherein said
23 section is formed as a parallelogram having two
24 acute angles and two obtuse angles.
25
- 26 17. A section of material as claimed in Claim 16 wherein
27 the acute angles are in the range 30 to 60 degrees.
28
- 29 18. A section of material as claimed in Claim 16 wherein
30 the acute angles are at 45 degrees.
31
- 32 19. A section of material as claimed in Claim 16 wherein
33 at least some of said recesses are of a
34 substantially truncated conical form.

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2 20. A section of material as claimed in Claim 16 wherein
3 each recess comprises a wall which converges towards
4 the hole, adjacent walls forming a peak between each
5 recess, wherein a plurality of said peaks are
6 located on a row lengthways on the inner surface
7 having a height greater than that of adjacent peaks
8 across the width of the inner surface.

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10 21. A plant container as claimed in Claim 1 wherein the
11 holes within the recesses are of various diameters
12 over the width of the section.

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14 22. A section of material as claimed in Claim 21 wherein
15 at least one of holes is medium sized, wherein
16 medium sized are apertures which remove 6%-20% of
17 the area at the base of a recess.

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19 23. A section of material as claimed in Claim 21 wherein
20 at least one of holes is large sized, wherein large
21 sized are apertures which remove 20%-40% of the area
22 at the base of a recess.

23

24 24. A section of material as claimed in Claim 16 wherein
25 at least one of the protuberances includes a hole at
26 its apex.

27

28 25. A section of material as claimed in Claim 16 wherein
29 the material is formed from a relatively thin sheet
30 of plastic material and the said recesses in said
31 inner surface produces said protuberances in said
32 outer surface.

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- 1 26. A section of material as claimed in Claim 16 wherein
2 the plastic is a recycled plastic such as HDPE
3 obtained from domestic waste.
4
- 5 27. A container for organic matter, the container
6 comprising at least one section of flexible
7 material, said inner surface being formed in part by
8 a lattice of recesses, at least some of said
9 recesses being of substantially truncated conical
10 form having a wall which converges towards a hole
11 through the section, adjacent walls forming a peak
12 between each recess, a plurality of said peaks
13 located on a row lengthways on the inner surface
14 having a height greater than that of adjacent peaks
15 across the width of the inner surface, said outer
16 surface being formed in part by a lattice of
17 protuberances at the same relative positional
18 arrangement as the recesses, said section being a
19 parallelogram arranged in a cylinder with its
20 opposite ends overlapping and the protuberances on
21 the outer surface of one end nesting within the
22 recesses of the inner surface of the other end at
23 the overlap, and a container base arranged to rest
24 on said walls of said peaks of greater height and
25 fastening means being provided to hold the section
26 in said overlapping, nested engagement.
27
- 28 28. A container as claimed in Claim 27 wherein the
29 container further comprises a lid arranged to rest
30 on an upper edge of the flexible section of
31 material.